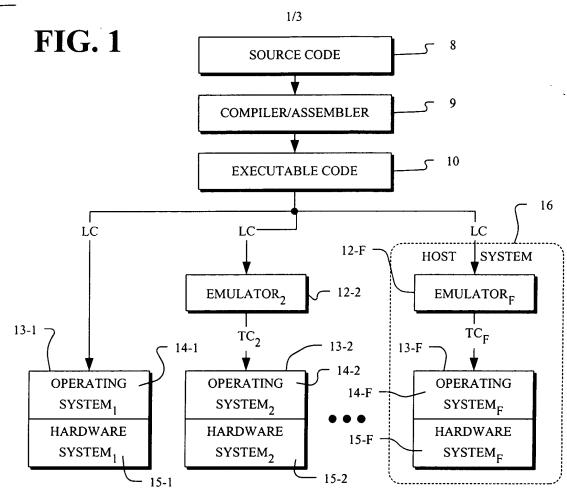
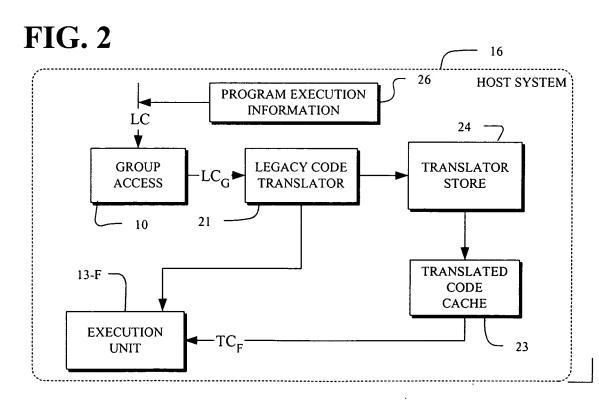
Atty: David E. Lovejoy Tel No: 415-362-3800

Atty Doc N: AMDH-08157US0 DEL

Inventor 1: Ronald Hilton

## Title: STATE-SPECIFIC VARIANTS OF TRANSLATED CODE UNDER EMULATION





SC/Serial No. 09/992,120 Date Filed: November 14, 2001

Title: STATE-SPECIFIC VARIANTS OF TRANSLATED CODE UNDER EMULATION

2/3

## LEGACY CODE (CISC)

100	START	BALR	B1,R0
102	BASE	LM	R1,R2,DATA1
106		MVC	DATA1, DATA3
10C		AH	R1,DATA2
110		SRA	R1,1
114		SH	R2,DATA2
118		AR	R1,R2
11A		ВС	TARGET
120	DATA1	DC	X'005390BC'
		DC	X'09C20004'
128	DATA2	DC	X'0009'
12A	DATA3	DC	X'800039AF'



 $3_{R}$ -10

TRANSLATED CODE (RISC)



				_
100	START	BALR	B1, R0	
102	BASE	LM	R1, R2,DATA1	2
106		MVC	DATA1, DATA3	
10C		AH	R1, DATA2	2
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 $^{3}C^{-10}$ 

BALRMOV B1 BASE LM ADD A1 B1,DATA1-BASE LD4 R1 [A1]

ADD A1 A1,4 LD4 R2 [A1]

MVC ADD A1 B1,DATA1-BASE ADD A2 B1,DATA3-BASE

LD4 T1 [A2] ST4 T1 [A1]

AH ADD A1 B1,DATA2 -BASE

LD2 T1 [A1] ADD R1 R1,T1

B XFER\_SEQUENTIAL

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 $3_{R}-11$ 

3<sub>C</sub>-11

110 SRA R1,1
114 SH R2,DATA2
118 AR R1,R2
11A BC TARGET

1	Year of	i epide.		<u>,</u>
12.	A DATA3	DC	X'800039AF'	l
128	8 DATA2	DC	X'0009'	ľ
		DC	X'09C20004'	
120	DATA1	DC	X'005390BC'	ľ

SRA SHR RI I SH ADD AI BI,DATA2 -BASE LD2 TI [AI]

SUB R2 R2,T1
AR ADD R1 R1,R2

 $^{3}C^{-12}$ 

BC ADD A1 B1,TARGET - BASE B XFER\_BRANCH

1、1900年1月1日中国中国共和国国家。17.15、19.06(19.06)

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